
Subject: Re: Resizing arrays

Posted by [Michael Wallace](#) on Tue, 20 Sep 2005 20:29:30 GMT

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> I have a simple question... I have an array, and inside it I have some
> zero values. I want to resize the array, cutting off the zero values. I
> want to keep only positive values in the new array.

```
IDL> a = [0, 1, 2, 0, 1, 2]
IDL> b = a[where(a gt 0)]
IDL> print, b
      1      2      1      2
```

-Mike

Subject: Re: Resizing arrays

Posted by [Benjamin Luethi](#) on Wed, 21 Sep 2005 17:09:40 GMT

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Hi,

for a 1D-array that has at least 1 element different from 0:
nonzero_values = values[where(values ne 0)]

for 2D/3D/...-arrays it's not so simple and you need to give an
example of what you want to do...

Ben

On Tue, 20 Sep 2005 22:03:34 +0200, Julio <julio@cpa.unicamp.br> wrote:

> Hello,
>
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> zero values. I want to resize the array, cutting off the zero values. I
> want to keep only positive values in the new array.
>
> How can I do that... I know it is very simple, but I could not do that.
> :-(
>
> Thanks,
> Julio
>

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Subject: Re: Resizing arrays
Posted by [Haje Korth](#) on Wed, 21 Sep 2005 18:32:28 GMT
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Well, in 2D the equivalent would be to remove rows/columns that are all zero. TOTAL(ABS()) should do the trick. Haje

"Benjamin Luethi" <luethi@phim.unibe.ch> wrote in message
news:op.sxgpyegso9wlc0@elara...

> Hi,
>
> for a 1D-array that has at least 1 element different from 0:
> nonzero_values = values[where(values ne 0)]
>
> for 2D/3D/...-arrays it's not so simple and you need to give an
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Subject: Re: Resizing arrays
Posted by [Julio\[1\]](#) on Wed, 21 Sep 2005 19:42:06 GMT

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Ok, Mike's trick worked out...

Many thanks to all

Júlio
